



# **Section E**

## ***Advanced Reactors Transition***

### **PROJECT MANAGERS**

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## **SUMMARY**

The Advanced Reactors Transition (ART) Program, WBS 1.12.1.1, PBS RL-TP11, consists of the 309 Building and the Nuclear Energy (NE) Legacies activities.

NOTE: Cost/Schedule data contained herein is as of November 30, 2000. All other information is as of December 28, 2000, unless otherwise noted.

For the month of November, surveillance and maintenance activities continued on the 309 Building and NE legacies. The annual 309-Plutonium Recycle Test Reactor (PRTR) Stack High-Efficiency Particulate Air (HEPA) efficiency test was performed. Preventative maintenance on the polar crane and slide up door were completed. Assays were performed on four low-level radioactive waste boxes in preparation for waste disposal. Inspection of fire barriers, doors, and dampers in the 337B building was completed. There were no items requiring repair.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that there are no milestones due.

## **ACCOMPLISHMENTS**

- Surveillance and maintenance activities on 309 Building and NE legacies continued.
- Annual 309-PRTR Stack HEPA efficiency test performed, and preventative maintenance on polar crane and slide up door completed.
- Assays on four 309 Bldg-PRTR low level radioactive waste boxes performed in preparation of waste disposal.
- Inspection of fire barriers, doors, and dampers in the 337B building completed (no items requiring repair).

## **SAFETY**

Safety data for ART is included in a separate Fast Flux Test Facility (FFTF) report.

## **CONDUCT OF OPERATIONS / ISMS STATUS**

### **CONDUCT OF OPERATIONS**

Conduct of operations data for ART is included in a separate FFTF report.

### **ISMS STATUS**

The project continues to work on improvement initiatives that resulted from the ISMS Phase II readiness review. These initiatives include improving the Automated Job Hazard Analysis (AJHA) process and worker involvement in work documentation preparation.

### **BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT**

No breakthroughs or opportunities for improvement are identified at this time.

### **UPCOMING ACTIVITIES**

- Ship Thermal Transient Loop cold trap offsite by March 30, 2001. (Date is dependent on receiving a Department of Transportation exemption on the shipping container.)
- Continue Fuel Transfer Pit cleanout in the 309 Building/PRTR facility; estimated completion date is January 30, 2001.

### **FY TO DATE COST PERFORMANCE (\$M):**

	<b>BCWP</b>	<b>ACWP</b>	<b>VARIANCE</b>
<b>Advanced Reactors Transition</b>	\$0.2	\$0.1	\$ 0.1

The \$0.1 million (49 percent) favorable cost variance was due to lower-than-anticipated surveillance and maintenance (S&M) costs.

### **FY TO DATE SCHEDULE PERFORMANCE (\$M):**

	<b>BCWP</b>	<b>BCWS</b>	<b>VARIANCE</b>
<b>Advanced Reactors Transition</b>	\$0.2	\$0.3	-\$ 0.0*

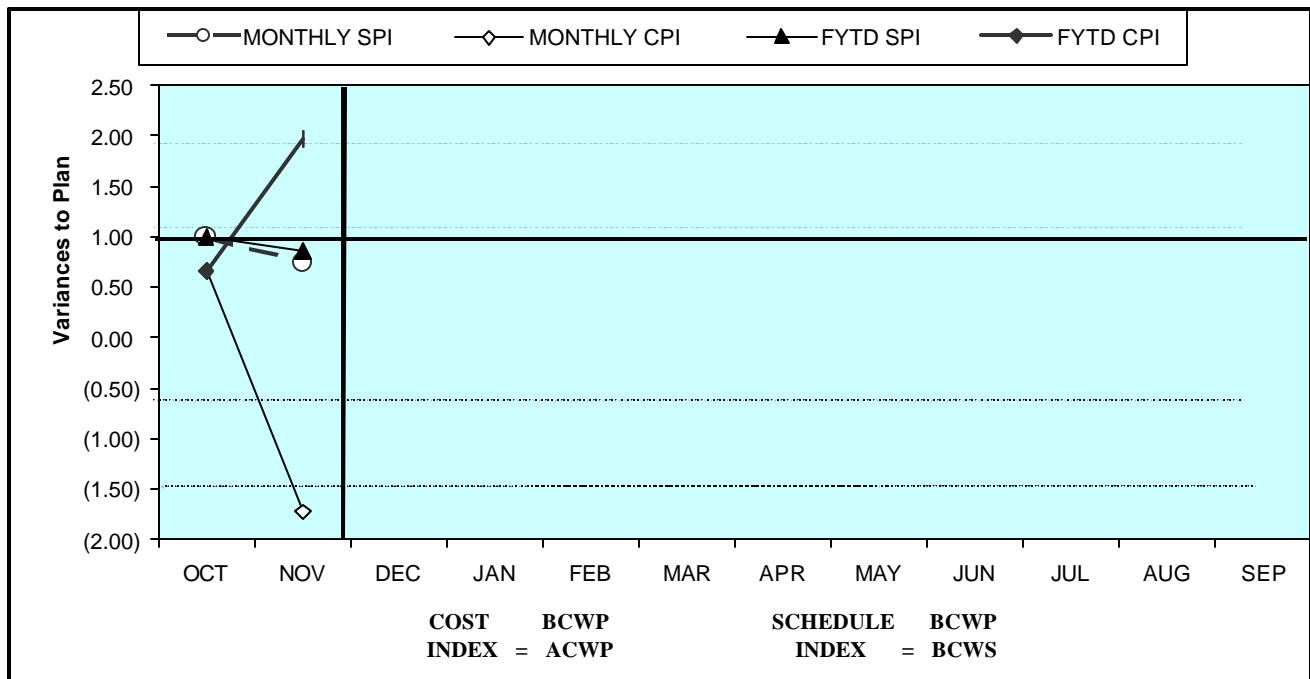
\*Rounding

The \$0.04 million (14 percent) unfavorable schedule variance was primarily due to longer-than-anticipated work approval for the 309 Building / PRTR Fuel Transfer Pit clean out.

## FY 2001 COST/SCHEDULE PERFORMANCE – ALL FUND TYPES CUMULATIVE TO DATE STATUS – (\$000)

By PBS		FYTD								PEM
		BCWS	BCWP	ACWP	SV	%	CV	%		
PBS TP11 WBS 1.12	Advanced Reactors Transition	\$ 273	\$ 234	\$ 119	\$ (39)	-14%	\$ 115	49%	\$ 1,486	
	Total	\$ 273	\$ 234	\$ 119	\$ (39)	-14%	\$ 115	49%	\$ 1,486	

## COST/SCHEDULE PERFORMANCE INDICES (MONTHLY AND FYTD)



FY 2001	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY SPI	1.00	0.74										
MONTHLY CPI	0.67	-1.73										
FYTD SPI	1.00	0.86										
FYTD CPI	0.67	1.98										
MONTHLY BCWS	\$123	\$150	\$167	\$134	\$112	\$113	\$113	\$124	\$97	\$97	\$124	\$130
MONTHLY BCWP	\$123	\$112										
MONTHLY ACWP	\$183	-\$65										
FYTD BCWS	\$123	\$273	\$439	\$574	\$686	\$799	\$913	\$1,037	\$1,134	\$1,231	\$1,355	\$1,486
FYTD BCWP	\$123	\$234										
FYTD ACWP	\$183	\$119										

## COST VARIANCE ANALYSIS: (\$0.1M)

**WBS/PBS**

**Title**

**1.12/TP11**                      **Advanced Reactors Transition**

**Description and Cause:** The favorable cost variance was due to lower-than-anticipated S&M costs.

**Impact:** The S&M budget will be reduced.

**Corrective Action:** A Baseline Change Request is in process to reduce the S&M budget.

## SCHEDULE VARIANCE ANALYSIS: (-\$0.0M)

**WBS/PBS**

**Title**

**1.12/TP11**                      **Advanced Reactors Transition**

**Description and Cause:** The unfavorable schedule variance was primarily due to the longer-than-anticipated work approval for the 309 Building / PRTR Fuel Transfer Pit cleanout.

**Impact:** No significant impact.

**Corrective Action:** Work is expected to accelerate in January.

## ISSUES

There is nothing to report at this time.

## BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS

PROJECT CHANGE NUMBER	DATE ORIGIN	BCR TITLE	FY01 COST IMPACT \$000	S C H	T E C H	DATE TO CCB	CCB APR'VD	RL APR'VD	CURRENT STATUS
ART-2000-001	11/17/2000	Increase to Base Operations & Carryover Funding	409	X	X	11/27/2000			In Review
ADVANCE WORK AUTHORIZATIONS									
		Nothing to report at this time.							

## **MILESTONE ACHIEVEMENT**

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that there are no milestones due.

<b>Tri-Party Agreement / EA Milestones</b>
Nothing to report at this time.
<b>DNFSB Commitments</b>
Nothing to report at this time.

## **MILESTONE EXCEPTION REPORT**

<u>Number/WBS</u>	<u>Level</u>	<u>Milestone Title</u>	<u>Baseline Date</u>	<u>Forecast Date</u>
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**OVERDUE – 0**

**FORECAST LATE – 0**

## **PERFORMANCE OBJECTIVES**

Nothing to report at this time.

## **KEY INTEGRATION ACTIVITIES**

Nothing to report at this time.